

Figure 1a Synthesis of 3'-valinyl esters of 2'-deoxy- β -L-cytidine

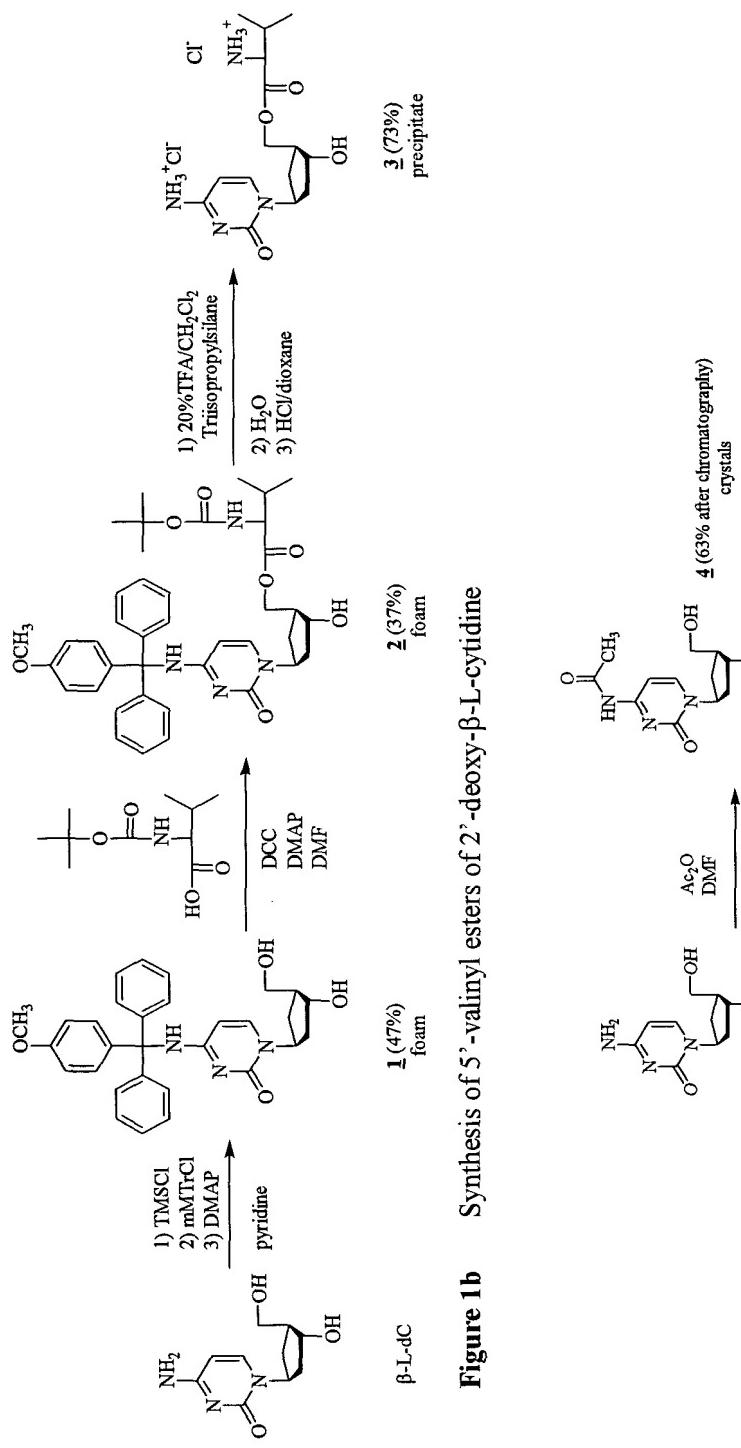


Figure 1b Synthesis of 5'-valinyl esters of 2'-deoxy- β -L-cytidine

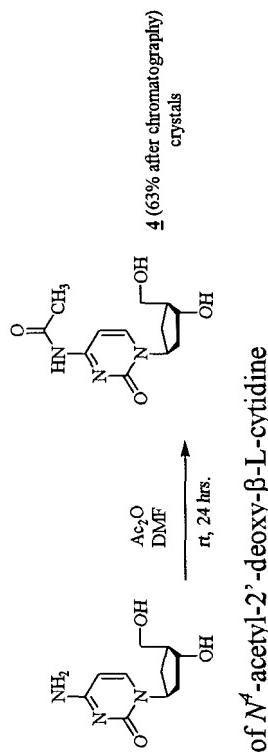


Figure 2 Synthesis of N^4 -acetyl-2'-deoxy- β -L-cytidine

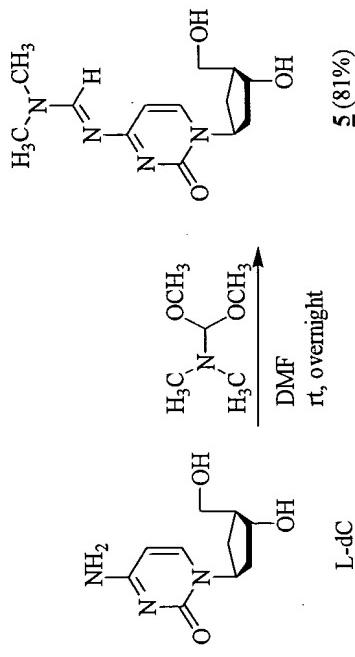


Figure 3 Synthesis of N' -[dimethylamino]methylene]-2'-deoxy- β -L-cytidine

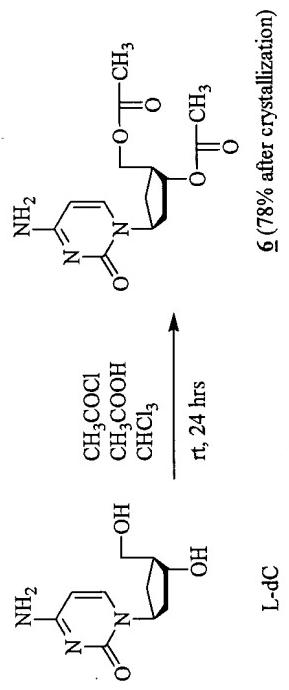


Figure 4 Synthesis of 3',5'-di-O-acetyl-2'-deoxy- β -L-cytidine

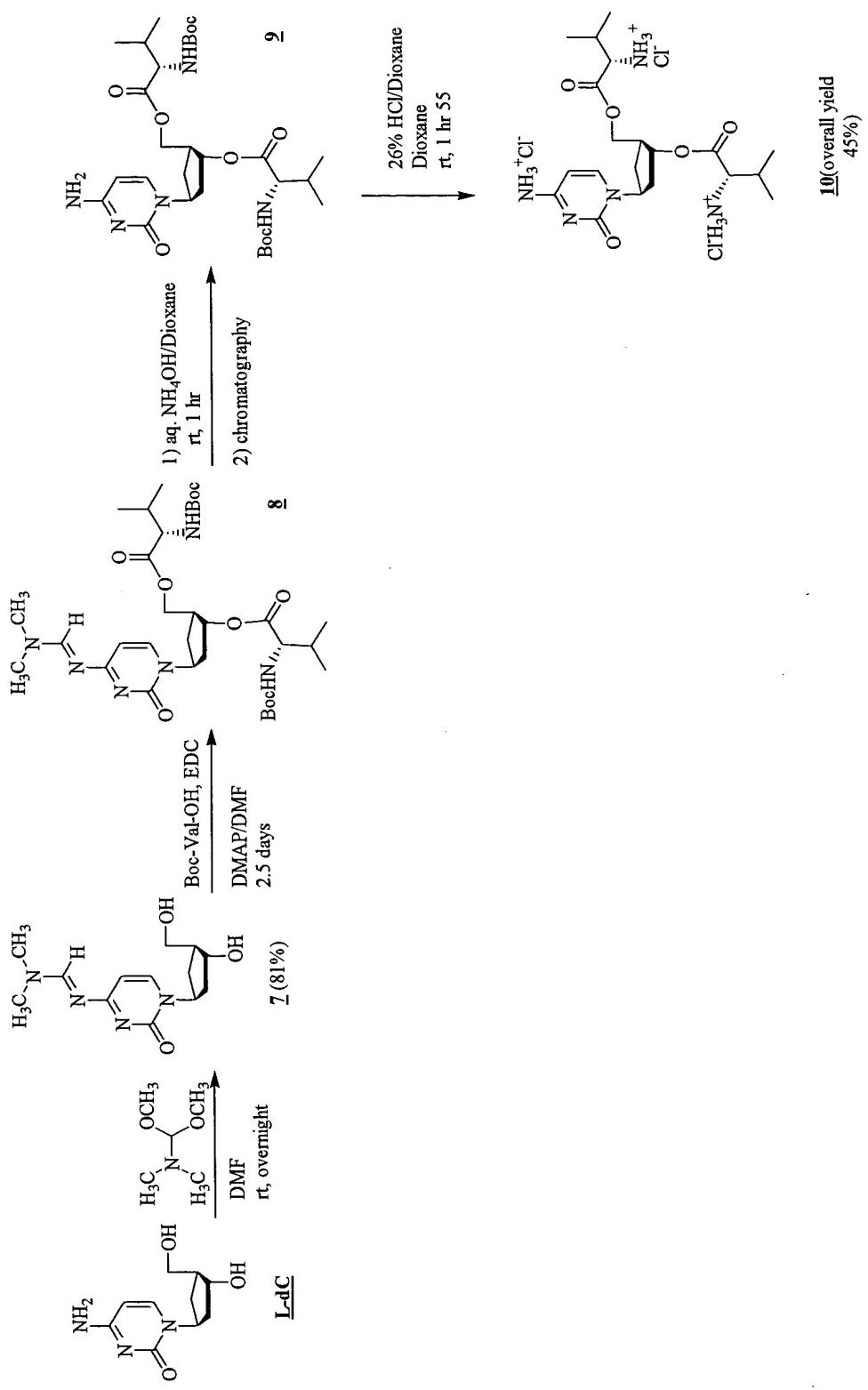


Figure 5 Synthesis of 3',5'-di-*O*-valinyl esters of 2'-deoxy β -L-cytidine

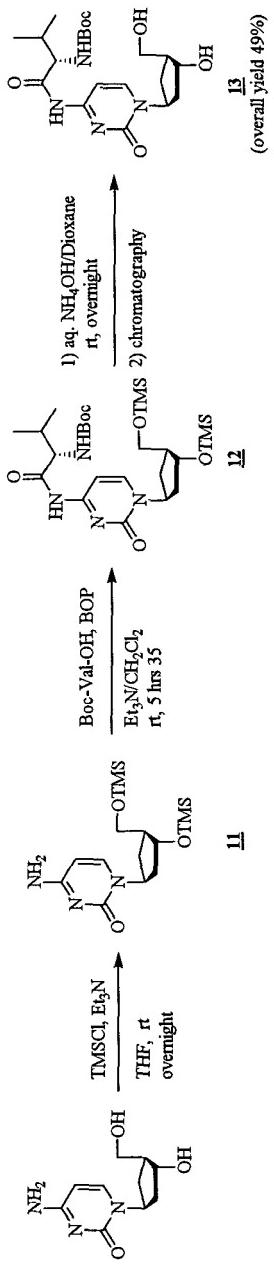


Figure 6 Synthesis of N^4 -Boc-valinyl ester of 2'-deoxy- β -L-cytidine

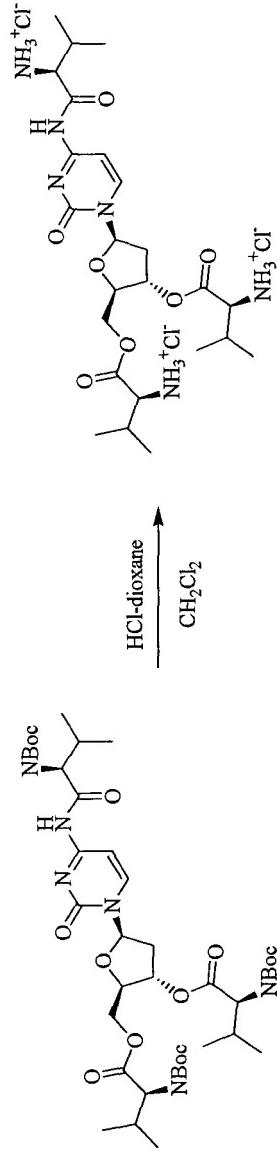


Figure 7 Synthesis of 3',5', N^4 -tri-(L-valinyl)-L-2'-deoxycytidine

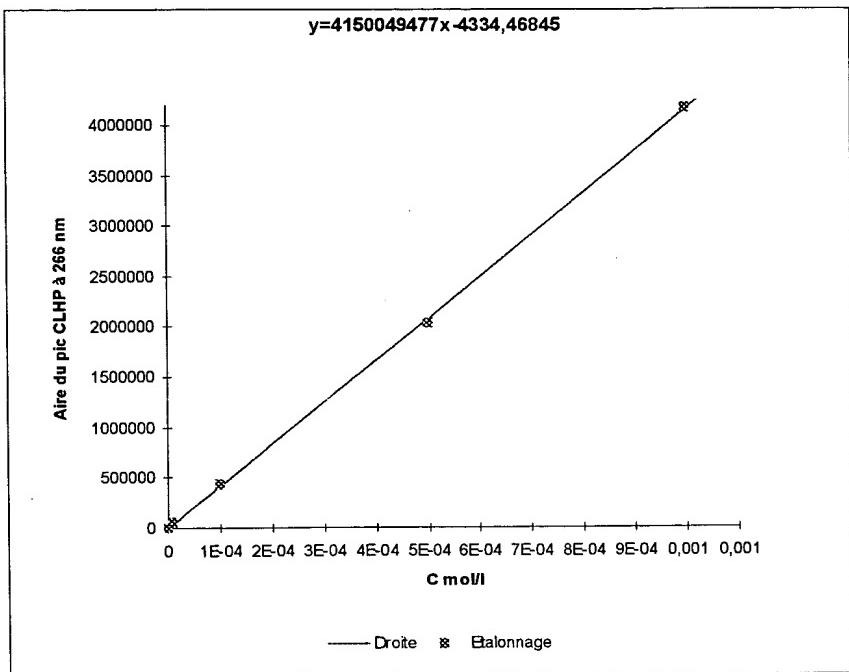


Figure 8a Solubility Calibration Curve for D-dC

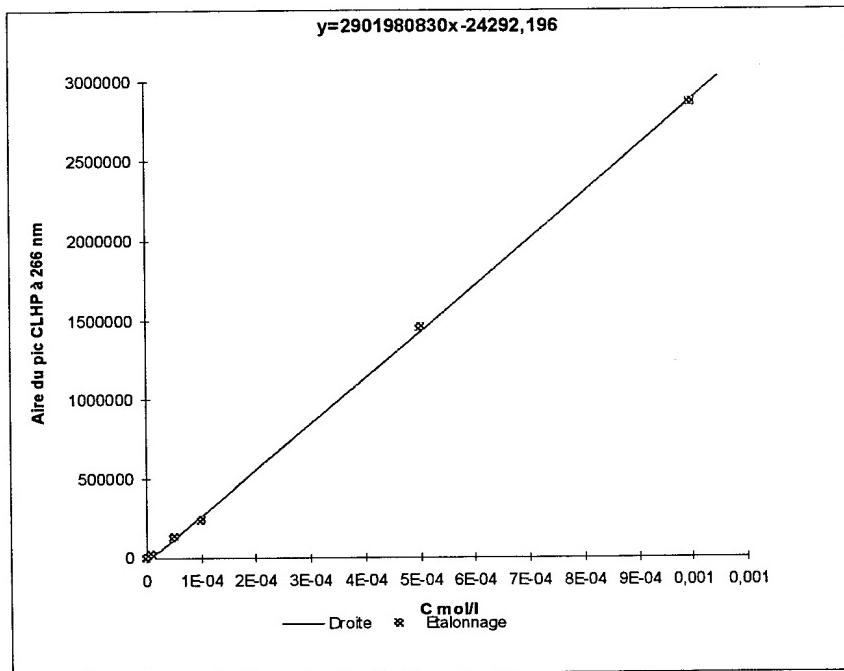


Figure 8b Solubility Calibration Curve for the 3',5'-Divinyl Ester of L-dC

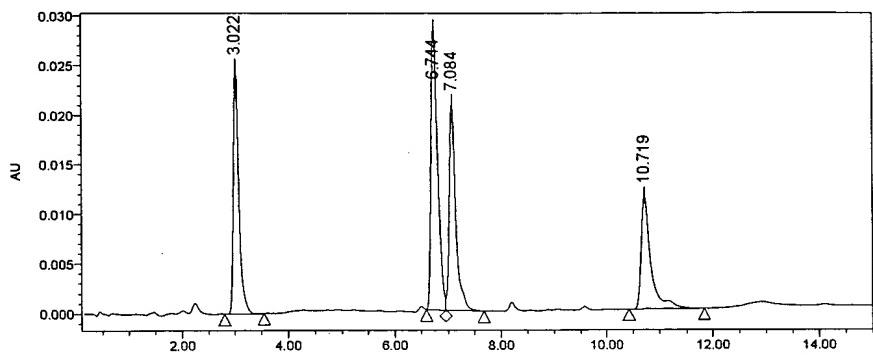


Figure 9a HPLC profile – 7.5 hours at pH of 7.42

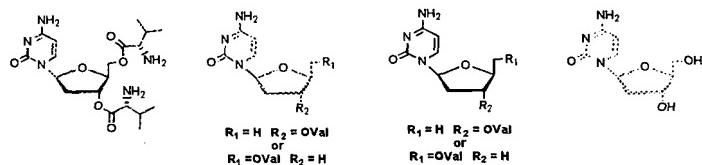
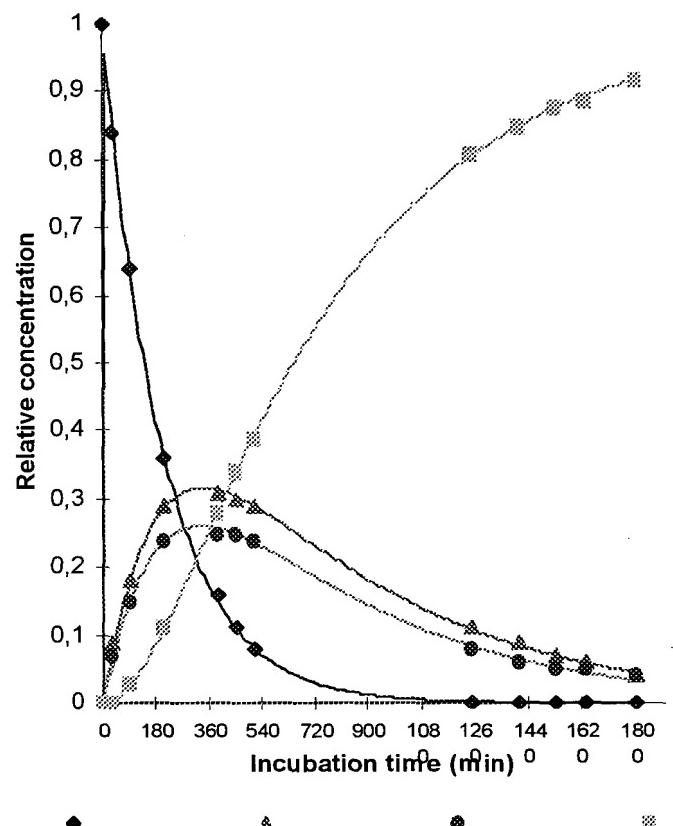


Figure 9b Kinetics curves at pH of 7.42

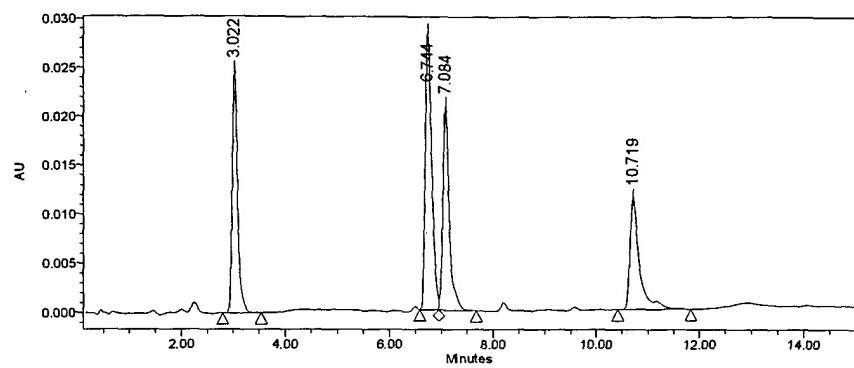


Figure 10a HPLC profile – 5.33 hours at pH of 7.20

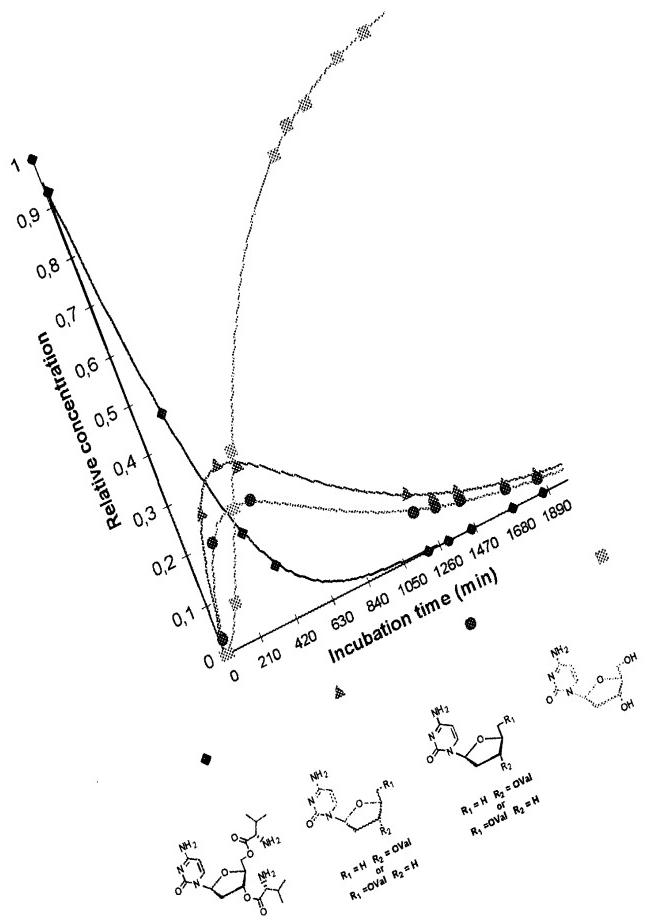


Figure 10b Kinetics Curves at pH of 7.20

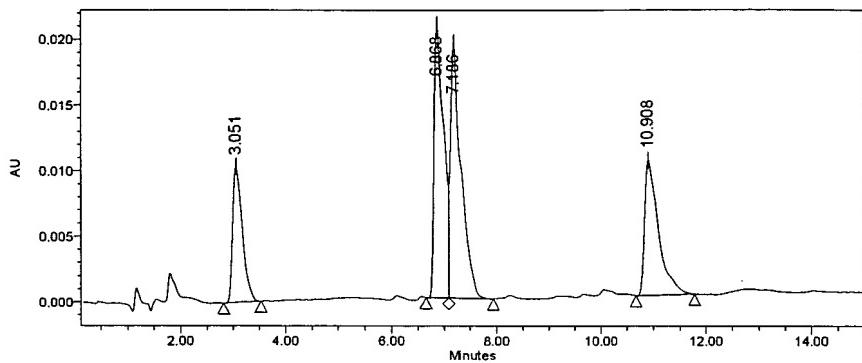


Figure 11a HPLC profile – 95.7 hours at pH of 4.51

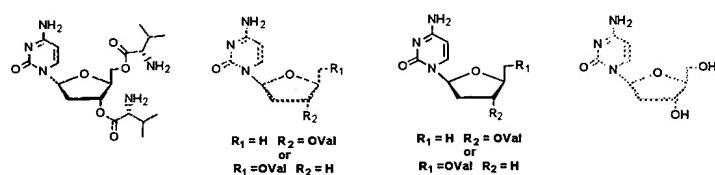
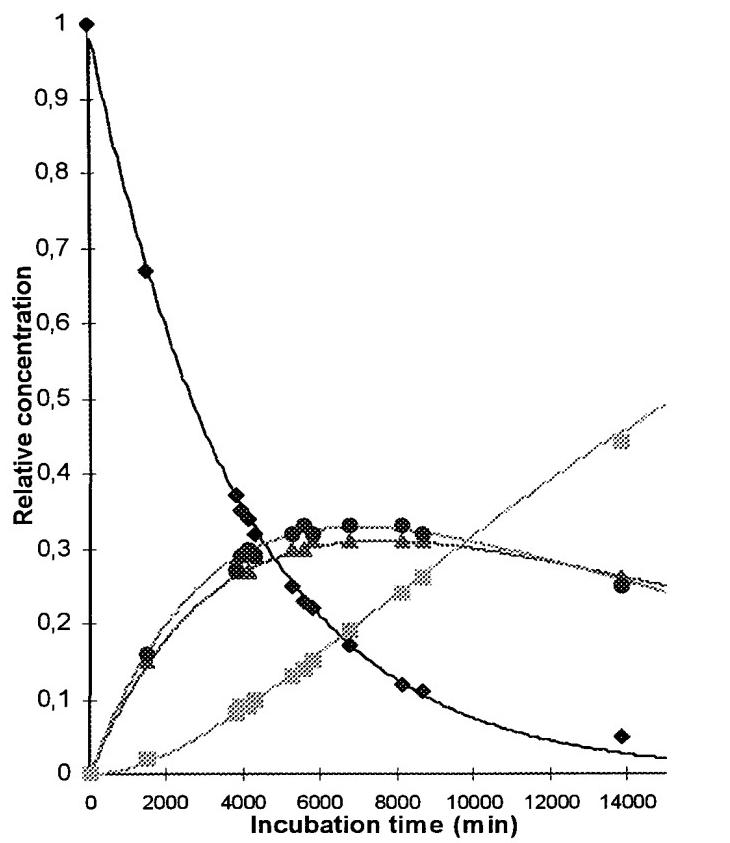


Figure 11b Kinetics curves at pH of 4.51

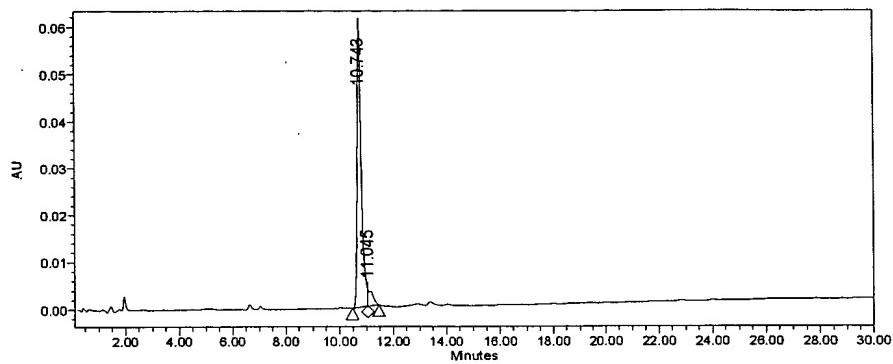


Figure 12 HPLC profile – 48 hours at pH of 1.23

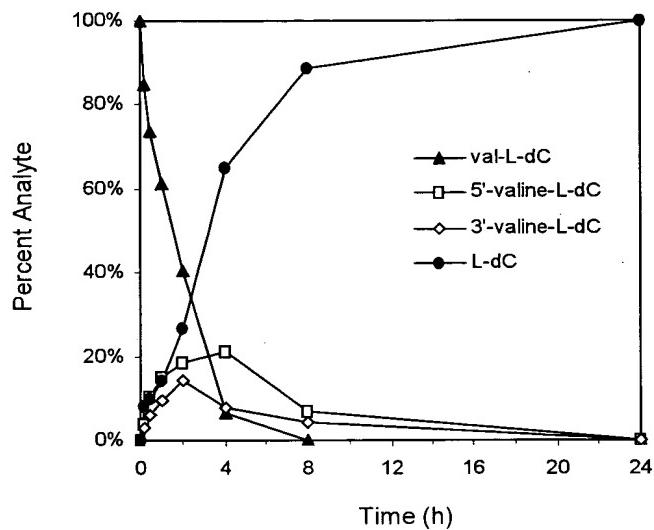


Figure 13 *In Vitro* Metabolism of 3',5'-Dival-L-dC in Human Plasma

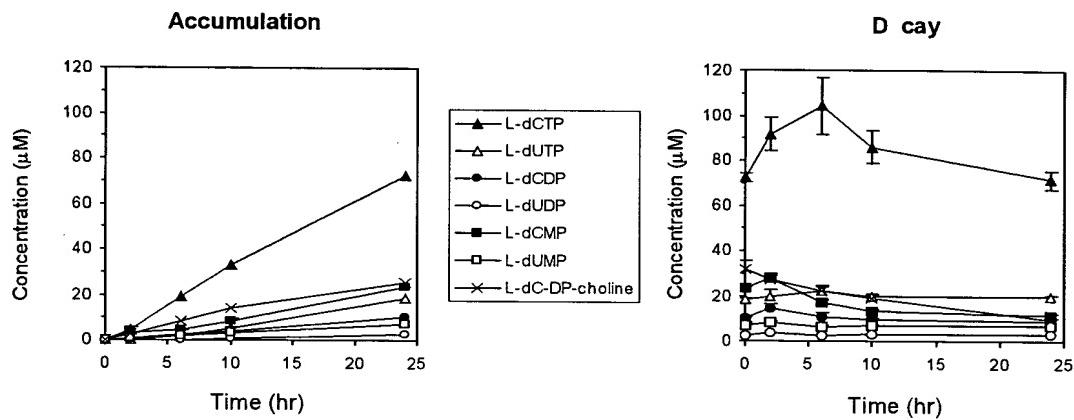


Figure 14 Intracellular Metabolism of L-dC in HepG2 Cells

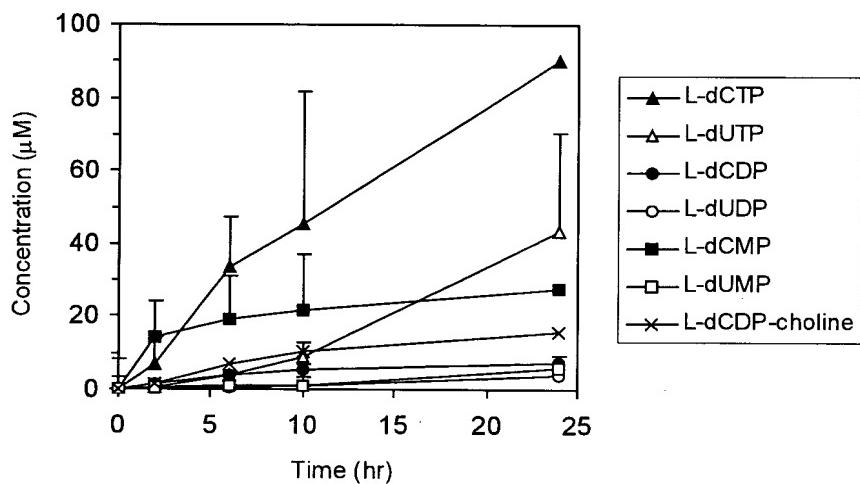


Figure 15 Intracellular Metabolism of L-dC in Primary Human Hepatocytes

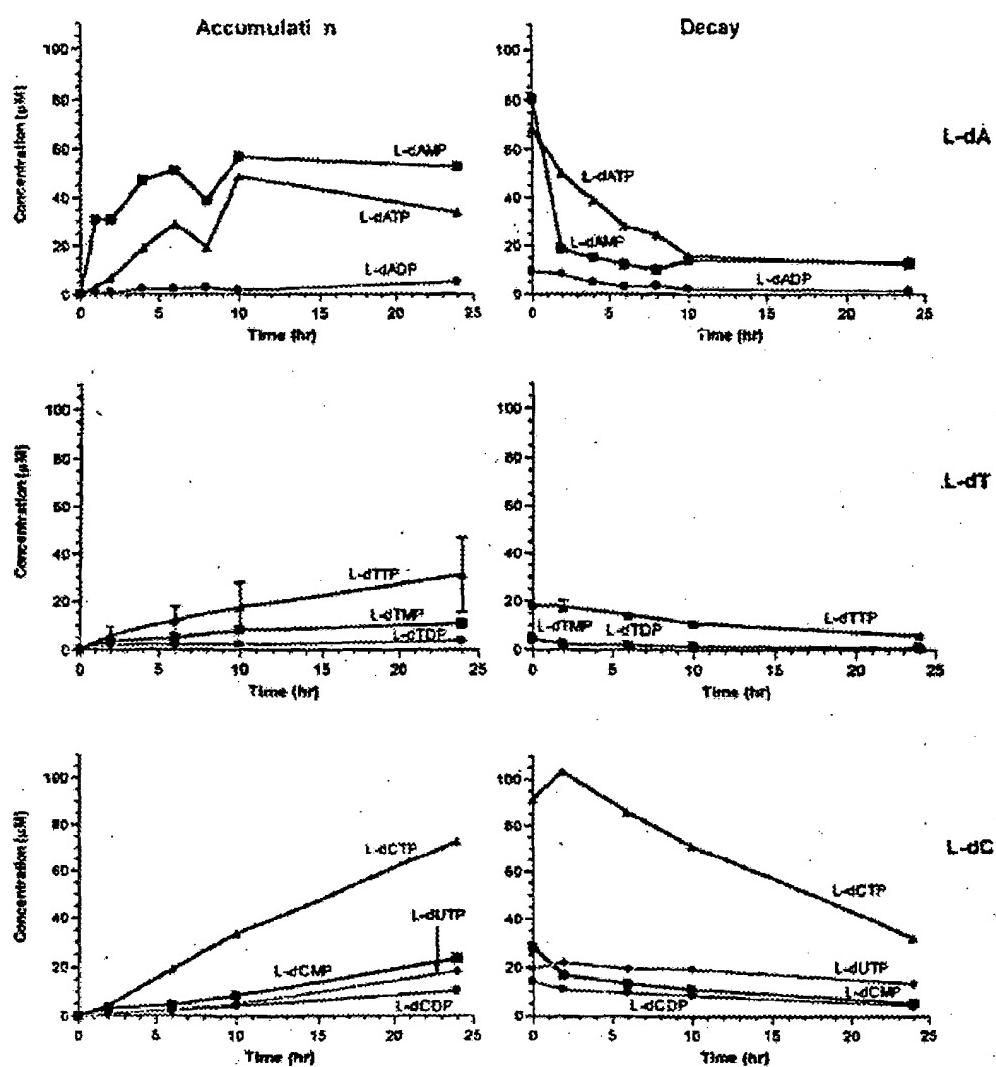


Figure 16 Accumulation and Decay of L-dA, L-dT, and L-dC in HepG2 Cells